

Notice of Allowability

Application No.

10/026,466

Examiner

Long Nguyen

Applicant(s)

NISHITOBA, SHIGEO

Art Unit

2816

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on 11/25/03.
2. ☒ The allowed claim(s) is/are 7,8 and 14-26.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
 - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No. _____.
 - (b) ☒ including changes required by the proposed drawing correction filed 07 January 2003, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892) | 5 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____ |
| 3 <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No. _____ | 7 <input type="checkbox"/> Examiner's Amendment/Comment |
| 4 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9 <input type="checkbox"/> Other _____ |

Response to Amendment

1. The amendment filed on 11/25/03 has been received and entered in the case.

REASONS FOR ALLOWANCE

2. Claims 7, 8 and 14-26 are allowed.

Claim 7 is allowed for the same reason indicated in the last office action, i.e., the prior art of record does not disclose or suggest that at least one of the first current mirror circuit and the second current mirror circuit has a base current compensating circuit and wherein the power supply terminal is pulled out from a center of the common power supply line.

Claim 8 is allowed for the same reason indicated in the last office action, i.e., the prior art of record does not disclose or suggest that at least one of the first current mirror circuit and the second current mirror circuit has a base current compensating circuit and wherein the power supply terminal is pulled out from a plurality of positions of the common power supply line.

Claim 14 is allowed for the same reason indicated in the last office action, i.e., the prior art of record does not disclose or suggest that at least one of the first current mirror circuit and the second current mirror circuit has a base current compensating circuit and wherein the ground terminal is pulled out from a center of the common ground line.

Claim 15 is allowed for the same reason indicated in the last office action, i.e., the prior art of record does not disclose or suggest that at least one of the first current mirror circuit and the second current mirror circuit has a base current compensating circuit and wherein the ground terminal is pulled out from a plurality of positions of the common ground supply line.

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Claim 16 is allowed for the same reason indicated in the last office action, i.e., the prior art of record does not disclose or suggest a constant driving apparatus comprising a plurality of driving circuits connected through terminals in series, wherein each of the driving circuits includes a first current mirror circuit which outputs a plurality of plurality of output currents, each of which corresponds to a reference current, and a second current mirror circuit which converts a polarity of an output current outputted from a final stage of the first current mirror circuit and outputs the converted output current.

Claims 17-26 are allowed because they depend on claim 16.

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directly to Examiner Long Nguyen whose telephone number is (703) 308-6063. The Examiner can normally be reached on Monday to Friday from 8:30am to 5:00pm.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim Callahan, can be reached at (703) 308-4876. The fax number for this group is (703) 872-9306.

Any inquiry of general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is (703) 308-0956.

January 08, 2004



Long Nguyen
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Terry D. Cunningham
Primary Examiner